

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: STREETWORKS

Report Number: P1211517

Luminaire Tested: **ARCH4-300-730-U-T2RE**

Issue Date: 11/5/2025

Test Information

Test Method: LM-79-08
Report Number: P1211517
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2510-578-1)
Test Lab: INNOVATION CENTER
Issue Date: 11/5/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: ARCH4-300-730-U-T2RE
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 3000K, 1155mA LIGHTSQUARES WITH 40 LEDS EACH AND TYPE II
ROADWAY ILLUMINANCE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 40556 lumens
Efficiency: N/A
Efficacy: 135.5 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 0.58' x H: 0')
IES Classification: Type II - Short
BUG Rating: B4 - U0 - G4

Input Watts (W): 299.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

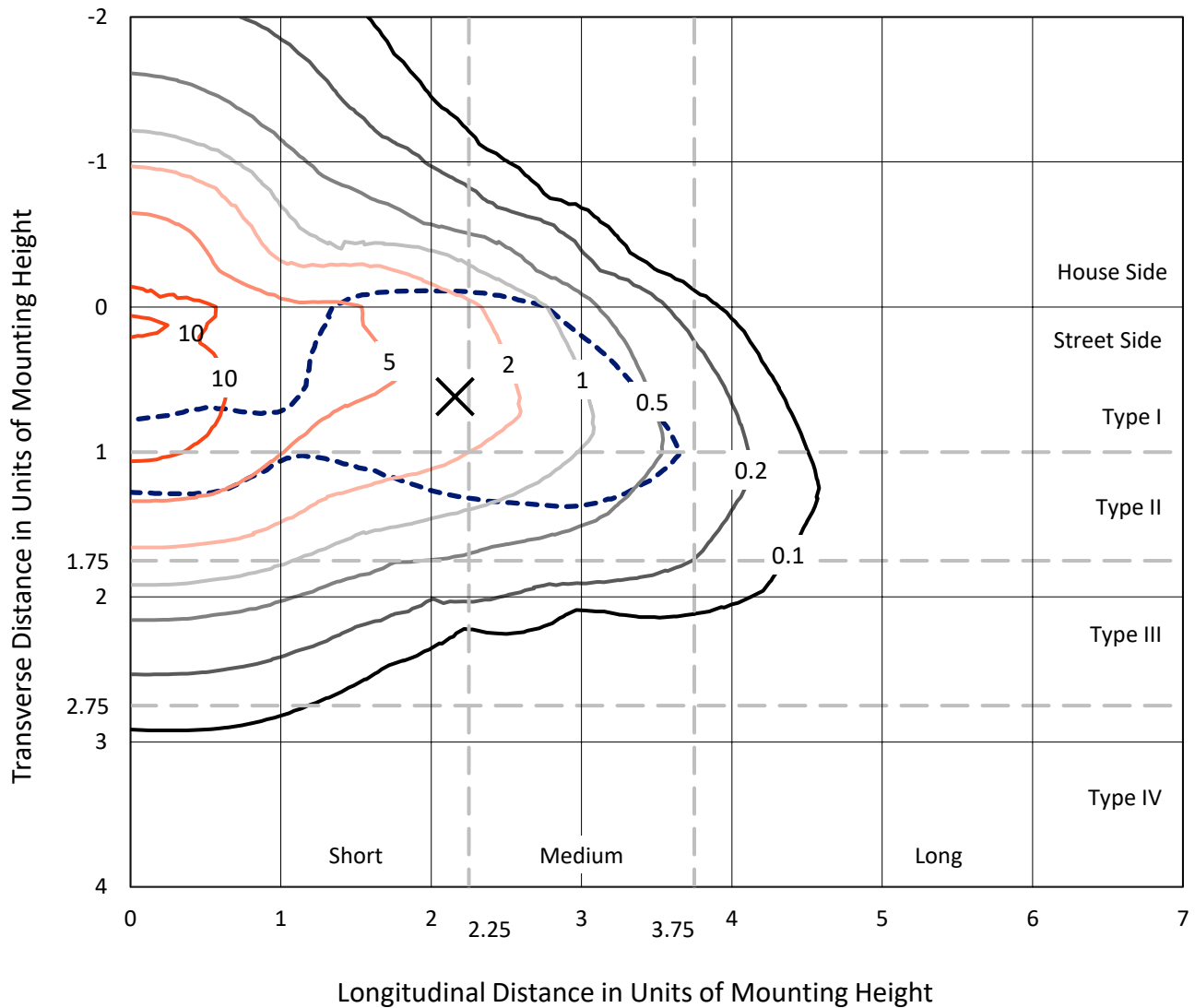


REPORT NUMBER: P1211517

CATALOG NUMBER: ARCH4-300-730-U-T2RE

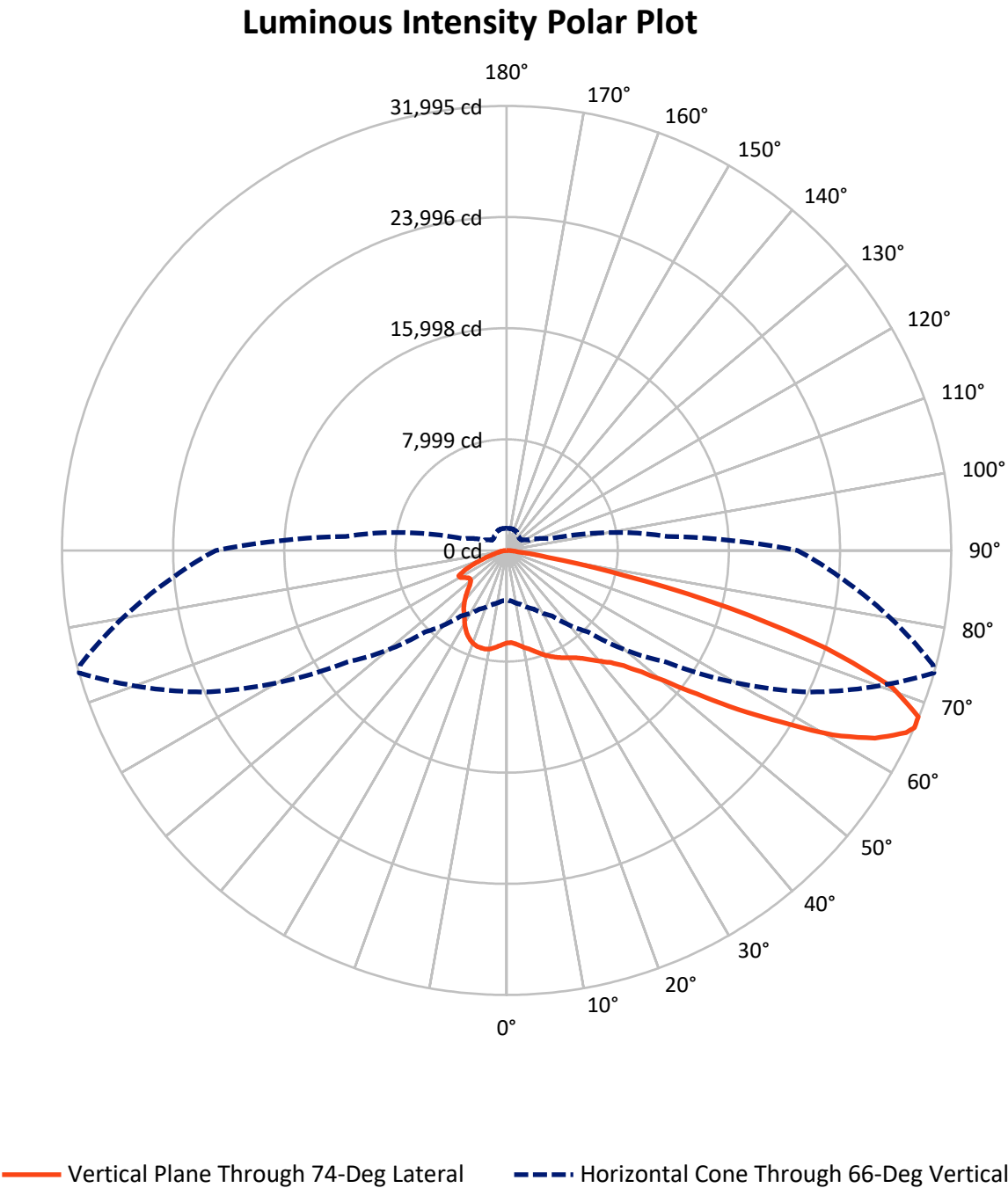
Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.7 fc
Type II - Short - N/A

REPORT NUMBER: P1211517
CATALOG NUMBER: ARCH4-300-730-U-T2RE



REPORT NUMBER: P1211517

CATALOG NUMBER: ARCH4-300-730-U-T2RE

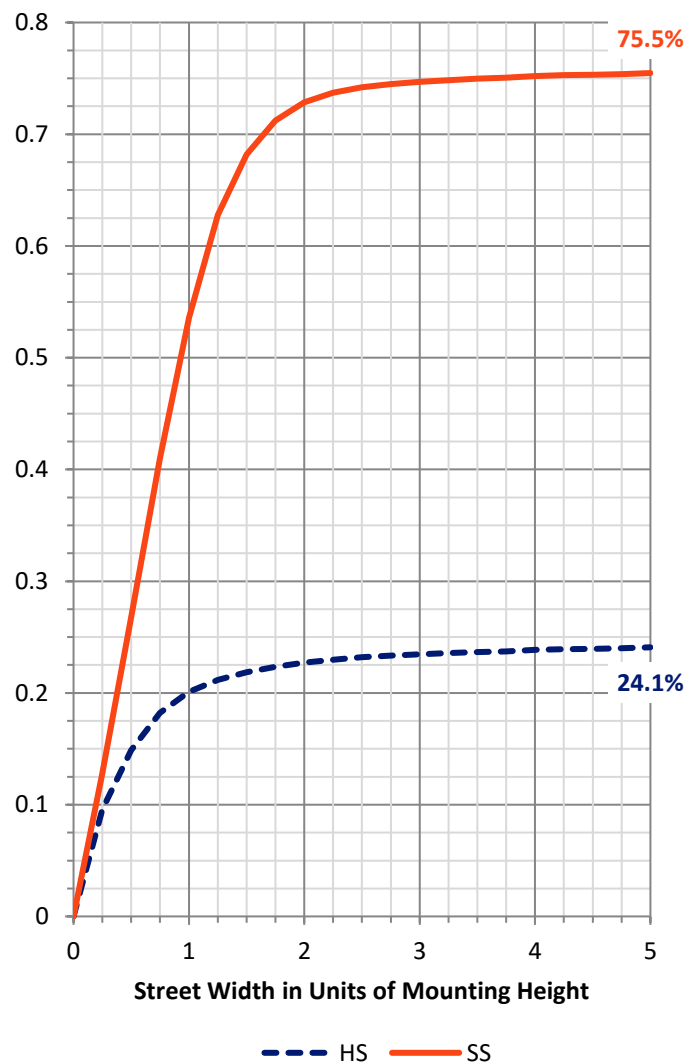
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9876.5	0.0	9876.5
	% Fixture	24.4	0.0	24.4
Street Side	Lumens	30679.5	0.0	30679.5
	% Fixture	75.6	0.0	75.6
Total	Lumens	40556.0	0.0	40556.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	634.2	1.6
10°-20°	1950.3	4.8
20°-30°	3659.8	9.0
30°-40°	5629.6	13.9
40°-50°	7572.3	18.7
50°-60°	8955.1	22.1
60°-70°	8284.0	20.4
70°-80°	3485.0	8.6
80°-90°	385.6	1.0
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	40556.0	100.0
0°-180°	40556.0	100.0

Coefficient of Utilization



REPORT NUMBER: P1211517

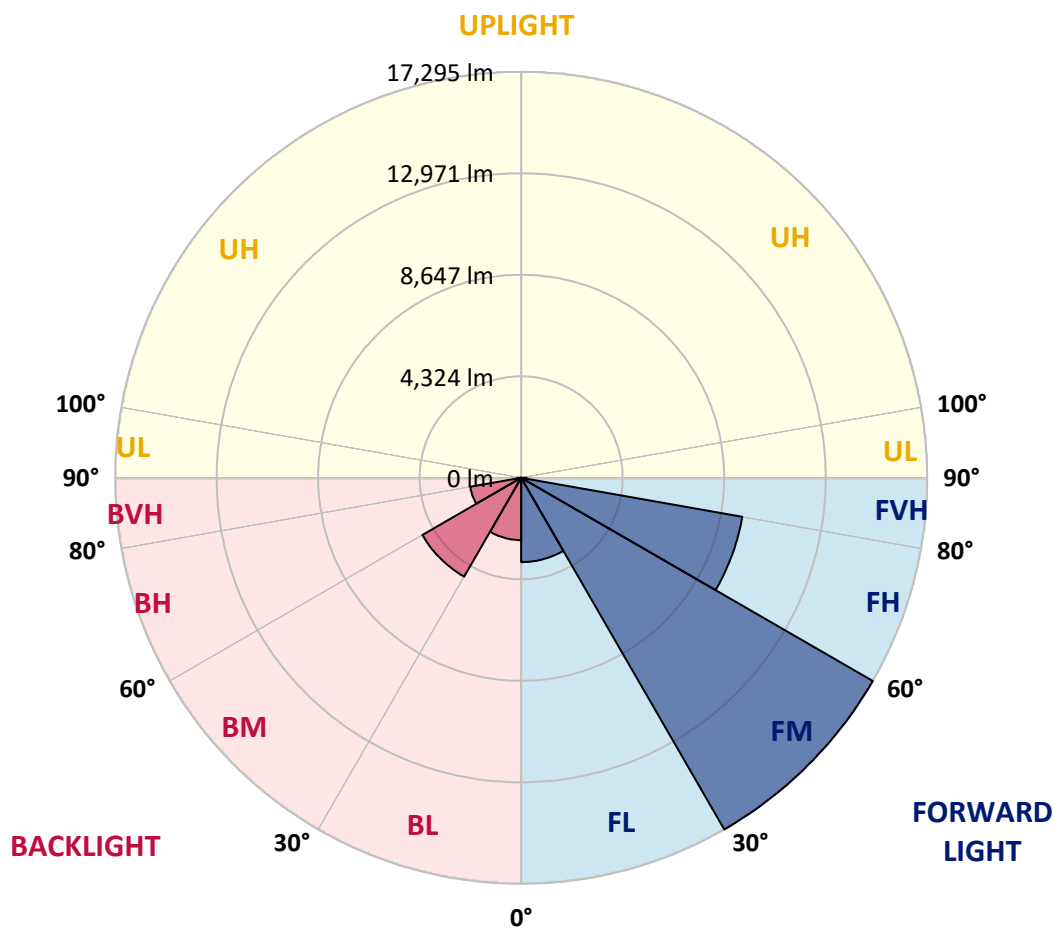
CATALOG NUMBER: ARCH4-300-730-U-T2RE

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3589.7	8.9			
FM	(30°-60°)	17294.9	42.6			
FH	(60°-80°)	9564.2	23.6			G4/12000
FVH	(80°-90°)	230.7	0.6			G3/500
BL	(0°-30°)	2654.6	6.5	B4/5000		
BM	(30°-60°)	4862.2	12.0	B3/5000		
BH	(60°-80°)	2204.8	5.4	B3/2500		G3/2500
BVH	(80°-90°)	154.9	0.4			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G4

Type II Short



REPORT NUMBER: P1211517

CATALOG NUMBER: ARCH4-300-730-U-T2RE

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	6648.5	6648.5	6648.5	6648.5	6648.5	6648.5	6648.5	6648.5	6648.5	6648.5	6648.5
2.5°	6627.6	6617.2	6638.0	6669.4	6685.0	6658.9	6648.5	6643.3	6643.3	6627.6	6653.7
5°	6314.5	6309.3	6356.2	6413.6	6523.2	6601.5	6705.9	6768.5	6747.6	6716.3	6737.2
7.5°	5907.4	5897.0	5954.4	6064.0	6215.3	6387.5	6643.3	6841.6	6919.8	6909.4	6904.2
10°	6064.0	6053.6	6048.3	6017.0	6069.2	6236.2	6502.4	6852.0	7118.1	7123.4	7128.6
12.5°	6606.7	6632.8	6606.7	6507.6	6392.8	6330.1	6486.7	6878.1	7285.1	7316.5	7446.9
15°	7347.8	7321.7	7269.5	7154.7	6977.2	6789.4	6674.6	6998.1	7525.2	7551.3	7838.3
17.5°	8000.1	8021.0	7989.7	7880.1	7671.3	7426.0	7076.4	7206.9	7780.9	7854.0	8255.8
20°	8709.8	8793.3	8751.6	8615.9	8443.7	8078.4	7640.0	7509.5	8062.7	8114.9	8688.9
22.5°	9529.1	9617.9	9539.6	9409.1	9268.2	8819.4	8255.8	7880.1	8297.5	8407.1	9106.4
25°	10510.2	10593.7	10520.7	10317.1	10139.7	9591.8	8918.6	8297.5	8527.2	8647.2	9445.6
27.5°	11287.8	11350.4	11418.3	11298.2	11026.9	10458.0	9607.4	8730.7	8756.8	8882.0	9758.8
30°	11981.9	12138.4	12195.8	12211.5	11981.9	11345.2	10311.9	9179.5	8955.1	9085.6	10071.9
32.5°	12931.7	13166.5	13072.6	13166.5	13030.8	12180.2	11042.5	9643.9	9210.8	9330.8	10369.3
35°	14319.8	14507.7	14262.4	14189.3	13970.2	13025.6	11747.0	10124.1	9550.0	9680.5	10651.1
37.5°	15812.3	16026.3	15671.4	15379.2	14961.7	13860.6	12352.4	10755.5	10019.7	10124.1	10912.1
40°	17117.0	17294.4	16986.5	16600.3	15901.0	14596.4	12874.2	11199.1	10489.4	10619.8	11214.7
42.5°	18322.5	18437.3	18092.8	17722.3	16788.2	15259.1	13437.9	11668.8	11037.3	11162.6	11460.0
45°	19543.6	19632.3	19152.2	18625.1	17529.2	15864.5	14058.9	12326.3	11841.0	12008.0	11856.6
47.5°	19762.8	19788.9	19705.4	19350.5	18113.7	16443.8	14826.0	13208.2	13067.3	13250.0	12540.3
50°	18244.2	18479.0	18995.6	19345.3	18348.5	16929.1	15593.1	14471.1	14758.2	14993.0	13959.7
52.5°	15295.7	15520.1	16715.1	18040.6	17784.9	17038.7	16417.7	16073.2	17143.1	17424.9	15890.6
55°	12185.4	12383.7	13646.6	15556.6	15963.7	16537.7	17299.6	18118.9	20185.5	20373.4	18009.3
57.5°	10035.3	10144.9	11047.7	12884.7	13537.0	14935.6	17774.5	20550.8	23280.1	23567.1	19851.5
60°	8229.7	8349.7	9022.9	10536.3	11402.6	12644.6	17398.8	22951.3	26974.9	26974.9	22215.5
62.5°	6194.5	6298.8	6925.1	8109.7	9565.7	10703.3	16198.5	24543.0	29761.6	29636.3	23927.2
65°	4253.1	4336.6	4790.7	5578.7	6888.5	9122.1	14559.9	24563.9	31609.0	31442.0	24657.8
66°	3569.5	3642.6	4028.7	4665.4	5766.5	8276.7	13980.6	24120.3	31995.1	31760.3	24349.9
67.5°	2818.0	2870.2	3125.9	3501.7	4227.1	6700.7	13067.3	22862.6	31958.6	31817.7	23567.1
70°	2014.4	2050.9	2238.8	2317.1	2499.7	3877.4	10379.8	20023.7	29396.3	29438.0	20488.2
72.5°	1560.4	1617.8	1732.6	1748.2	1706.5	2061.3	6298.8	16704.7	24047.2	24031.6	15207.0
75°	1257.7	1289.0	1346.4	1377.7	1367.3	1330.7	2666.7	12462.0	16553.4	16746.4	8516.7
77.5°	991.5	986.3	1038.5	1080.2	1111.6	1043.7	1221.1	7306.0	8678.5	8433.2	3199.0
80°	730.6	730.6	803.7	819.3	866.3	876.7	814.1	2818.0	2979.8	2708.4	829.8
82.5°	480.1	480.1	558.4	568.8	615.8	683.6	589.7	845.4	824.5	782.8	375.7
85°	260.9	250.5	276.6	313.1	339.2	401.8	354.9	422.7	433.1	427.9	250.5
87.5°	52.2	47.0	73.1	83.5	93.9	125.2	114.8	172.2	240.1	234.8	109.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P1211517

CATALOG NUMBER: ARCH4-300-730-U-T2RE

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	6648.5	6648.5	6648.5	6648.5	6648.5	6648.5	6648.5	6648.5	6648.5	6648.5	6648.5
2.5°	6690.2	6685.0	6742.4	6810.3	6888.5	6935.5	6956.4	6992.9	6966.8	6977.2	7008.6
5°	6789.4	6805.0	6888.5	6977.2	7013.8	6987.7	6930.3	6909.4	6862.4	6852.0	6841.6
7.5°	6935.5	6961.6	7045.1	7066.0	6956.4	6773.7	6643.3	6570.2	6491.9	6471.0	6460.6
10°	7175.6	7191.2	7212.1	6998.1	6726.8	6481.5	6319.7	6251.9	6199.7	6157.9	6168.4
12.5°	7478.2	7467.8	7306.0	6862.4	6476.3	6225.8	6116.2	6074.4	6037.9	6011.8	6006.6
15°	7859.2	7786.1	7321.7	6674.6	6241.4	6032.7	5954.4	5938.7	5897.0	5897.0	5891.8
17.5°	8245.4	8057.5	7311.2	6476.3	6017.0	5902.2	5855.3	5844.8	5834.4	5829.2	5844.8
20°	8631.5	8297.5	7227.7	6231.0	5860.5	5792.6	5782.2	5787.4	5777.0	5792.6	5782.2
22.5°	8970.7	8454.1	7071.2	5970.1	5750.9	5745.7	5719.6	5730.0	5766.5	5771.8	5787.4
25°	9231.7	8511.5	6841.6	5730.0	5672.6	5662.2	5693.5	5735.2	5766.5	5771.8	5797.8
27.5°	9445.6	8480.2	6554.5	5542.1	5536.9	5594.3	5688.3	5703.9	5709.1	5709.1	5688.3
30°	9607.4	8412.4	6189.2	5333.4	5359.5	5500.4	5589.1	5589.1	5547.4	5536.9	5568.2
32.5°	9643.9	8323.6	5792.6	5119.4	5161.2	5328.2	5437.8	5401.2	5354.3	5354.3	5375.1
35°	9675.3	8203.6	5474.3	4827.2	4889.8	5088.1	5192.5	5119.4	5067.2	5051.6	5046.4
37.5°	9664.8	8156.6	5187.3	4456.7	4540.2	4733.3	4801.1	4733.3	4655.0	4618.4	4665.4
40°	9675.3	8125.3	4827.2	4049.6	4133.1	4247.9	4336.6	4284.5	4211.4	4117.5	4164.4
42.5°	9737.9	8167.1	4430.6	3653.0	3653.0	3715.6	3867.0	3830.4	3653.0	3616.5	3658.2
45°	10071.9	8391.5	4034.0	3256.4	3199.0	3240.7	3397.3	3240.7	3131.2	3131.2	3167.7
47.5°	10880.7	8809.0	3684.3	2906.8	2771.1	2854.6	2896.3	2750.2	2666.7	2645.8	2682.4
50°	12529.8	9643.9	3475.6	2619.7	2452.7	2515.4	2489.3	2484.0	2400.5	2411.0	2431.9
52.5°	15034.7	11272.1	3413.0	2478.8	2270.1	2285.7	2259.6	2270.1	2254.4	2306.6	2322.3
55°	17764.1	12989.1	3491.2	2499.7	2144.8	2035.2	2045.7	2097.9	2160.5	2244.0	2259.6
57.5°	19804.5	13850.1	3694.8	2640.6	1988.3	1821.3	1847.4	1946.5	2066.6	2134.4	2170.9
60°	21323.1	13745.8	3992.2	2677.1	1800.4	1628.2	1675.2	1821.3	1925.7	1983.1	2019.6
62.5°	21818.9	13093.4	4065.3	2411.0	1555.1	1445.5	1560.4	1711.7	1758.7	1821.3	1847.4
65°	21411.9	12169.7	3533.0	1957.0	1367.3	1309.9	1476.9	1591.7	1654.3	1685.6	1690.8
66°	20931.7	11616.6	3246.0	1779.5	1299.4	1268.1	1445.5	1539.5	1602.1	1596.9	1602.1
67.5°	19877.6	10458.0	2781.5	1529.0	1200.3	1205.5	1393.4	1456.0	1476.9	1461.2	1461.2
70°	16292.4	7363.4	1993.5	1158.5	1054.2	1127.2	1252.5	1268.1	1315.1	1294.2	1294.2
72.5°	10045.8	3616.5	1336.0	887.2	939.3	1054.2	1048.9	1101.1	1210.7	1242.0	1262.9
75°	4936.8	1466.4	881.9	751.5	840.2	881.9	871.5	1002.0	1158.5	1294.2	1341.2
77.5°	1873.5	730.6	615.8	657.5	678.4	662.8	694.1	908.0	1158.5	1403.8	1450.8
80°	579.3	506.2	485.3	542.7	511.4	485.3	521.9	751.5	981.1	1064.6	1064.6
82.5°	349.6	396.6	375.7	370.5	344.4	349.6	375.7	537.5	756.7	793.2	793.2
85°	245.3	260.9	214.0	203.5	198.3	193.1	193.1	313.1	448.8	443.6	459.2
87.5°	93.9	104.4	78.3	78.3	73.1	52.2	41.7	52.2	52.2	36.5	26.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)